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or elastic to allow the snap-fit; however, the composition of the cover **10** and battery tray **12**, or any element thereof, can be any material in rigid or semi-rigid form so long so long as the components being used for the snap-fit can elastically deform to achieve the snap-fit.

In the method of assembly as shown in FIG. 2, as plurality of batteries **30** are placed in the battery tray **12**, and two flexible circuits (one of which is shown as circuit **32**) are placed into the battery tray **12** on the opposite ends of the batteries **30** and accessible at fixtures **18** and **20**. Thus, after the step of spot-welding the first flexible circuit (or here circuit **32**) to at least one of the batteries **30** through fixture **18**, a second step of spot-welding occurs in the second flexible circuit (identical to circuit **32**) through fixture **20** to weld the second flexible circuit to at least one of the plurality of batteries **30**.

While there has been shown a preferred embodiment of the present invention, it is to be understood that certain changes may be made in the forms and arrangement of the elements and method of assembly without departing from the underlying spirit and scope of the invention as is set forth in the claims.

What is claimed is:

1. A battery housing, comprising:

- a cover including one or more semi-rigid legs depending outwardly therefrom; and
- a battery tray for selectively receiving one or more batteries and one or more flexible circuits, the battery tray including one or more fixtures wherein each fixture provides access to at least one battery and at least one flexible circuit such that the flexible circuit can be

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spot-welded to the battery, and each fixture placed about the battery tray such that each leg of the one or more legs of the cover snap-fits into a fixture to affix cover over the batteries in the battery tray.

2. The battery of claim 1, wherein the cover is held to the battery tray by the snap-fitting of the one or more legs of the cover into the one or more fixtures of the battery tray.

3. A method of assembling a battery housing, comprising the steps of:

placing one or more batteries in a battery tray, the battery tray including one or more fixtures;

placing one or more flexible circuits into the battery tray with the one or more batteries;

spot-welding at least one flexible circuit to at least one battery, the spot-welding occurring through at least one fixture; and

snap-fitting a cover to the battery tray to form the battery housing, the cover having one or more semi-rigid legs outwardly depending therefrom, and each leg snap-fitting into one or the one or more fixtures.

4. The method of claim 3, wherein the step of placing one or more batteries in a battery tray is placing a plurality of batteries in the battery tray, and the step of placing one or more flexible circuits into the battery tray is placing a plurality of circuits in the battery tray, and, after the step of spot-welding at least one flexible circuit to at least one battery, further comprising the step of the spot-welding another of the flexible circuits to another of the plurality of batteries.

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